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THE BEAN BAG

A newsletter to promote communication among research scientists concerned with the systematics of the Leguminosae/Fabaceae.

ROYAL BOTANIC GARDENS KEW
18 JUN 1981

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Associate Editor; Charles R. Gunn, Plant Taxonomy Laboratory, BARC-WEST, USDA, Beltsville, Maryland 20705
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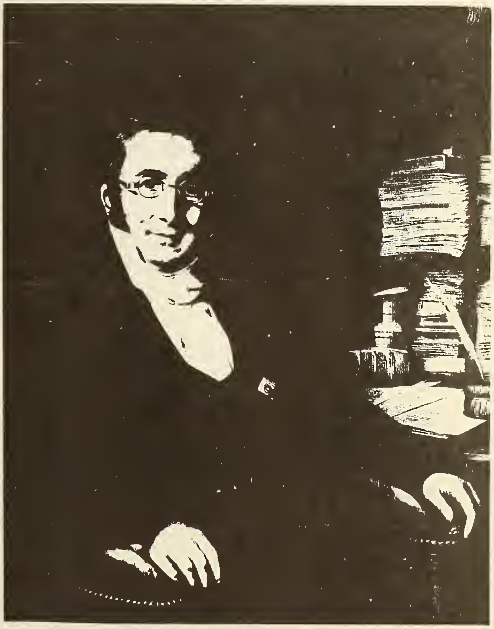
Augustin Pyramus de Candolle
1778—1841



Portrait by A. Munier. Original at Linnean Society of London; print at Hunt Institute.

More than any other person, perhaps, A. P. de Candolle can be viewed as the founder of the modern classification of the legumes. It was he who contributed more fundamental ideas to the process than any of those who followed in the next decades and it is interesting to note how often his ideas have been revived in recent years.

Legumes were, of course, only one of the numerous groups he studied, all of which were brought to flower in The Great Prodromus, as F. A. Stafleu called it. In the introduction to the J. Cramer reprint of the first eight volumes, Stafleu writes: "A.-P. de Candolle was aware of his great gifts and achievements, a statement also with which posterity can concur. The Prodromus can be seen as the successor - if only for the Dicotyledones - to the various editions of Linnaeus' Species Plantarum. It has remained the last completed synthetic treatment down to the level of species and variety of that main group of flowering plants".

Although he was born in Geneva, and died there 63 years later, it was the years he spent in Paris (1798-1808) studying under Cuvier and Desfontaines that gave the primary direction to his life's work. Paris in those days was the world center for the study of plants and it was there that he received his training as a taxonomist and in the process came into contact with the key personalities of the time -- Desfontaines, Redouté, L'Heritier, Lamarck, Adanson, and Jussieu. It was L'Heritier and Desfontaines who first made their collections of books and specimens available to the young de Candolle. His acquaintanceship with Lamarck led to de Candolle's production of the third edition of the former's Flore française, the first major work in which the natural system advanced by Adanson and the de Jussieus was applied, a landmark departure from the artificial classification of Linnaeans.

The same principles were the foundation for the monumental _Prodromus systematis naturalis regni vegetabilis_, the first attempt at a truly monographic account of the flowering plants of the world. Although it marked the beginning of a new era in taxonomic botany and was quickly adopted widely, its concise form prohibited presenting completely critical accounts of some of the families and numerous secondary publications came out of the research for the _Prodromus_. De Candolle's _Mémoires sur les Légumineuses_ was one of the most important of these. In the Quatrième Mémoire he discusses the supra-generic classification of the family, adopting Gaertner's division of the family into the _Curvembrieae_ and the _Rectembrieae_. The first of these he subdivides into the true beans and the Swartziées, the second into the mimosoids and the caesalpinioids. He stresses the importance of seed germination and seedling morphology in addition to the insertion, imbrication, and freedom/union of floralparts. In short, the morphological characters we use today are to a large extent, those emphasized by Augustin Pyramus de Candolle in 1825-26. Data from phytochemistry, palynology, and cytology continue to bring refinement to the classification, but the basic, fundamental criteria derive from the labors of this great leguminologist.

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ANNOUNCEMENTS

News from the Editors

R. S. Cowan, founder and editor of the Bean Bag, resigned as editor with the publication of this number. He wants to spend more time in writing and editing with STAFLEU their multivolume TAXONOMIC LITERATURE (TL-2). We regret this decision, but realize that the completion of TL-2 is vital to all ongoing plant taxonomic research. James A. Lackey has agreed to become Associate Editor, and we will continue publishing the Bean Bag in the same tradition established by Cowan.

We plan to issue a revised list of Bean Bag readers in conjunction with Bean Bag Number 14 to be published during November 1981. To insure that your name, title, address, and area of expertise are listed correctly, please record these data on the attached green page and return before September 1, 1981.

All Bean Bag correspondence should be sent to C. R. Gunn, Room 238, Bldg. 001, BARC-West, Beltsville, Maryland 20705 USA.

Legume Symposium Book

Roger Polhill has informed us that ADVANCES IN LEGUME SYSTEMATICS has been published and is being mailed to those who ordered copies. If you did not order the book in 1978 at the International Legume Conference, you may order a copy at 30 pounds plus 5 pounds for postage and handling (total cost of 35 pounds) from Roger Polhill, Royal Botanic Gardens, Richmond, Surrey, TW9 3AE, ENGLAND. Write to him for instructions on how to order this book.

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DIRECTORY CORRECTIONS

Please make these corrections in your copy of the Directory in BB-7.

Individuals

DELGADO SALINAS: (New address). Botany Department, Bio. 311, University of Texas, Austin, Texas 78712, USA. (BB-7, p. 3)
NEBHAN: Change Department of Plant Sciences to Office of Aridland Studies and zip code from 85721 to 85719. (BB-10, p. 5)
OHASHI: (New address). Biological Institute, Faculty of Science, Tohoku University, Sendai, 980 JAPAN. (BB-7, p. 7)
RAMAMONJIARISOA: (New address). Service de Botanique, E. E. S. Sciences, Université de Madagascar, B. P. 906, Antananarioo, MADAGASCAR. (BB-8, p. 4)
RUFF: Change Department of Botany, University of Texas to 7411 Loganberry Drive and zip code from 78703 to 78745. (BB-7, p. 19 is now correct)

Institutions

LIBRARIAN, CSIRO: Change Townsville QLD. 4810 to Aitkenvale QLD. 4814 (BB-7, p. 10)

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DIRECTORY ADDENDUM VI

These new readers are additions to those who are listed in the BB-7 Directory and subsequent issues.

Individuals

BROICH, Steven; (Graduate Student); Herbarium-Department of Botany, Oregon State University, Corvallis, Oregon 97331 USA. [*Lathyrus* of Western USA]
CUSATO, Leonor Inés; (Lic.); Catedra de Botanica, Facultad de Agronomia, Universidad de Buenos Aires, Av. San Martin 4453 (1417) Buenos Aires, ARGENTINA. [*Lathyrus* of central Argentina]
NEILL, David; (Mr.); Missouri Botanical Garden, P. O. Box 299, St. Louis, Missouri 63166 USA. [*Erythrina*]
SCHRIRF, Brian; (Mr.); Botanical Research Unit, Botanic Garden Road, Durban 4001, SOUTH AFRICA. [Desmodieae of South Africa]

Institutions

PLANT RESEARCH LIBRARY, Agriculture Canada, Bldg. 49, Ottawa, Ontario, Canada
K1A 0C6

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GLEANINGS FROM DATA COLLECTION SHEETS

ANDERSON wants water-soluble gum exudate from any species.

BRAVO has completed a morphological study of seeds of Cassia, Series Aphyllae. With PALACIOS and HOC has started taxonomic studies of Argentine species of Macroptilium, Vigna, and Phaseolus. Reports that PALACIOS and HOC have started a palynological study of Prosopis including natural hybrids.

CHANDEL reports progress in his investigation of the origin and phylogeny of wild and cultivated Asian Vigna spp.

CUBERO has completed quantitative inheritance studies of Cicer arietinum and Vicia faba. Will be collecting pulses in northwest Spain this summer. Wants small-seeded Vicia faba from Afghanistan, India, Turkmenia (USSR).

CUSATO (new reader) needs Lathyrus herbarium specimens, seeds, and reprints (or citations).

DELGADO SALINAS is finishing a study of Macroptilium spp. of Mexico. Is working on Ph.D. dissertation: "A systematic revision of the genus Phaseolus in Mexico and Central America." Will annotate Phaseolus, Macroptilium, and Vigna.

FERGUSON with T. A. Kavanaugh has completed a pollen morphology study of subtribe Diocleinae (Phaseoleae). Pollen of Macrotyloma has been studied in conjunction with VERDCOURT'S monograph. TEM study by R. Strachan of Indigofera revealed extremely interesting exine stratification. TEM (with STIRTON) is proving valuable in separating pollen of tribes Amorpheae and Psoraleae.

GEESINK will join the Indonesian-Japanese expedition to East Kalimantan (Borneo) from mid-June to mid-September 1981. He will be doing general collecting, but slight emphasis on legumes is considered inevitable. Mrs. J. W. A. Ridder-Numan has finished her studies on Spatholobus and the results will be combined in a joint publication in Reinwardtia with the thesis of H. Wiriadinata, Bogor, who independently studied the same genus. Mr. H. E. Hazelhorst is in the last phases of his study of the pollen morphology of the Tephrosieae (and some Dalbergieae). Mr. B. Keijner has studied the vegetative anatomy (leaves and twigs) of the same group. Both of these studies share comparable results, which are difficult to compare with gross morphology. Needs some more head-scratching! Miss L. Nanhoe has started collecting data for a key to S. E. Asiatic genera using vegetative and fruit characters. A punched card key is planned, but later the construction of a bracketed key will be considered. Suggestions and experiences of colleagues are most welcome! Mrs. I. de Kort and Mr. G. Thiijse will revise Indigofera for Flora Malesiana. Geesink will annotate S. E. Asia legumes.

GUNN with L. Chandler has completed (ready for publication) seed-fruit morphology plates for all accepted mimosoid genera. With L. Poole has issued second draft of A NOMENCLATOR OF LEGUME (FABACEAE) GENERA. This draft lists ca 2700 legume genera published from 1753 to date. Each genus is annotated according to a preliminary draft of Polhill and Raven (1981). Ten copies of this Nomenclator are available for review. If you would like to be a reviewer, contact GUNN.

HOC: See BRAVO.

NABHAN has completed a comparative ecology study of wild and domesticated *Phaseolus acutifolius*, and with J. Berry and C. Weber completed study of land races of Hopi Indian beans. Has started a search for naturally occurring symbioses of native legumes and *Rhizobium* in Sonoran Desert Indian fields; a study of *Prosopis velutina* as a fencerow species; and a seed bank of desert-adapted crop cultivars used by SW Indians. [Ed. note: Kent Whealy of Seed Savers Exchange, Rural Route 2, Princeton, MO 64673 USA would be interested in the last project.]

NEILL (new reader) has begun work on his Ph.D. dissertation research on the biosystematics of *Erythrina* spp., primarily of Mexico and Central America.

OHASHI with Tateishi completed a taxonomic revision of eastern Asiatic *Mucuna* to be published in The Botanical Magazine Tokoyo. Also will publish a short note on pollen morphology of *Vigna angularis* and var. *nipponensis* in the same journal.

PALACIOS: See BRAVO.

RAMAMONJIARISOA has received Ph.D. from the University of Massachusetts and returned to Madagascar, looking for Madagascar legumes that can be used for food. Welcomes suggestions.

SCHRIRF (new reader) has started a M. Sc. thesis on the Desmodieae of South Africa and will be collecting in transvaal lowveld, Zululand, and Transbei. He curates the Natal Herbarium.

SHARMA has started a study of the effects of pollution on *Trifolium* spp.

STIRTON: See FERGUSON.

THUAN has completed revisions of *Derris*, *Antheroporum*, *Sesbania*, *Rothia*, *Psoralea*, *Cyamopsis*, *Pongamia*, *Melilotus*, *Bowringia*, *Abrus*, and has started revisions of *Sophora* and Hedysareae for Flore du Cambodge, Laos, Viêt-Nam.

VERDCOURT has completed a revision of *Macrotyloma*.

VIDAL reports that Mrs. Dy Phon has completed a revision of *Crotalaria*; named three new species of *Crotalaria*; reported the distribution of five new genera (*Euchresta*, *Guldenstaedtia*, *Medicago*, *Parochetus*, *Trifidacanthus*); and started revisions of *Pterocarpus* and *Christia*, all for Flore du Cambodge, Laos, Viêt-Nam.

YAKOVLEV, now with a joint appointment at the Komarov Botanical Institute and the Pharmaceutical Institute, is preparing a manuscript on legumes of Central Asia and beginning another on the species of Viêt-Nam. He and his students are working on phytochemistry of *Astragalus*.

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RECENT LEGUME LITERATURE

For additional information or reprints, write to the author or authors; the addresses of those whose names are fully capitalized may be found in BB-7-13.

Abreu, C. L. B., DE SILVA, O. da Marquete and R. H. P. Andreata. 1979. Survey of type specimens of plants in the Herbarium of the Rio de Janeiro Botanical Garden, Brazil: Leguminosae, Mimosoideae. III. Rodriguesia 31: 67-104.

ANDERSON, J. G. K. Farguhar and M. C. L. Gill. 1980. Chemotaxonomic aspects of some *Acacia* gum exudates from Series *Juliflorae*. Bot. Jour. Linn. Soc. 80: 79-84.

ANDERSON and G. Pinto. 1980. Variations in the composition and properties of the gum exudates by *Acacia karroo* Hayne in different African locations. Bot. Jour. Linn. Soc. 80: 85-89.

BARADUR, RAO and Reddy. 1980. Left-handed, right-handed and neutral seedlings in *Vigna mungo*. Ind. Jour. Bot. 3:13-17.

BARNEBY. 1980. 3 new species of *Dalea* section *Parosela* (Leguminosae, Amorpheae) from western and southern Mexico. Brittonia 32: 392-396.

Batchili F., N. V. Syrovezhko, YAKOVLEV. 1980. Quantitative content of pachycarpine and cytisine in the species of the genus *Ammodendron*. Rastit. Resur. 16: 88-91.

BRAVO. 1980. El género *Cassia* en Argentina, II. Serie *Excelsae*. Bol. Soc. Ang. Bot. 19: 229-235.

BRAVO. 1981. El género *Cassia* en Argentina, III. Serie *Pachycarpae*. Darwiniana 23: 257-277.

BRENAN. 1980. A new species of *Parkinsonia* (Leguminosae) from Somalia. Kew Bull. 35(3): 563-565.

BRUMMITT. 1980. Reconsideration of the genera *Ptycholobium*, *Caulocarpus*, *Lupinophyllum* and *Requienia* in relation to *Tephrosia* (Leguminosae-Papilionoideae). Kew Bull. 35(3): 459-473.

BURKART. 1979. Flora ilustrada catarinense: 1 parte. As plantas. Fascículo: Leguminosae, Mimosoideas. Itajai, Herbario "Barbosa Rodrigues," 299 pp. [Illus., maps, keys]

CAVANAGH. 1980. A review of some aspects of the germination of acacias. Proc. Roy. Soc. Victoria 91: 161-180.

CORBY. 1980. Rhizobial root nodules in the classification of the Leguminosae, a thesis... for the degree of Doctor of Philosophy in the University of Rhodesia. University of Rhodesia, Department of Botany.

COWAN. 1981. New taxa of Leguminosae-Caesalpinioideae from Bahia, Brazil. Brittonia 33: 9-14.

De Haas, A. J. P., M. T. M. Bosman and GEESINK. 1980. *Urariopsis* reduced to *Uraria* (Leguminosae - Papilionoideae). Blumea 26: 439-444.

Delteil-Desneux, F. 1981. Sur L'association de trois bois fossiles dans un meme gisement tertiaire du Djebel Nara (Tunisie Centrale). Review of Palaeobotany and Palynology 31: 289-310. [New genus, *Swartzioxylon*]

DHILLON, M. 1977 (1980). Vascular anatomy of the flower of *Macrolobium vulpa* and interpretation of its floral structure. Plant Sci. (Lucknow) 9: 41-46.

DUKE. 1981. Handbook of Legumes of World Economic Importance. Plenum Press, 227 West 17th Street, New York, New York 10011 USA. [345 pp., $45.00, illustrated. 150 economically important species covered. Data presented under Uses, Folk Medicine, Chemistry, Description, Germplasm, Distribution, Ecology, Cultivation, Harvesting, Yield and Economics, Biotic Factors, References.]

FERGUSON. 1980. Pollen morphology of *Ceratonia* (Leguminosae: Caesalpinioideae). Kew Bull. 35: 273-277.

Fonzoca Vaz, A. M. S. da. 1979. Consideracões sobre a taxonomia do género *Bauhinia* L. Sect. *Tylotaea* Vogel (Leguminosae - Caesalpinioideae) do Brasil. Rodriguésia 31: 127-234.

FUKS, R., H. P. Bautista, I. A. Rodriques, H. C. de Lima. 1979. Levantamento dos tipos do Herbario do jardim Botânico do Rio de Janeiro. Leguminosae-Papilionatae. *Ormosia* Jacks. Rodriguésia 31: 365-425.

GRAHAM, G. Barker, M. F. da Silva. 1980. Unique pollen types in the Caesalpinioideae (Leguminosae). Grana 19: 79-84.

Granby, R. 1980. Revision of the genus Coelidium (Liparieae - Fabaceae). Op. Bot., no. 54. 46 pp.

Gregor, H. J. and R. Hantke. 1980. Revision of the fossil legume genus Podogonium Heer (= Gleditsia Linné) from the late European tertiary new taxa. Feddes Repert. 91: 151-182.

GUINET and NIELSEN. 1980. A new combination in the genus Schleinitzia (Leguminosae-Mimosoideae). Adansonia, 20: 165-167.

GUINET, VASSAL, C. S. Evans, and MASLIN. 1980. Acacia (Mimosoideae): Composition and affinities of the series Pulchellae Bentham. Bot. Jour. Linn. Soc. 80: 53-68.

Gupta, M. 1977 (1980). Vascular anatomy of the flower of Melilotus (Papilionaceae). Plant Sci. (Lucknow) 9: 31-36.

HNATIUK and MASLIN. 1980. The distribution of Acacia (Leguminosae-Mimosoideae) in Western Australia: Part 1. Individual species distribution. West Austral. Herb. Res. Notes no. 4: 1-103.

Horvat, F. and STAINER. 1980. L'Étude de l'Exine dans le Complexe Phaseolus-Vigna et dans des Genres apparentés: IV. Pollen and Spores. 22: 139-172.

HILLCOAT, LEWIS, and VERDCOURT. 1980. A new species of Ceratonia (Leguminosae-Caesalpinioideae) from Arabia and the Somali Republic. Kew Bull. 35: 261-271.

IRWIN and BARNEBY. 1979. New names in Senna P. Mill. and Chamaecriata Moench (Leguminosae Caesalpinioideae) precursory to the Chihuahuan Desert flora. Phytologia 44: 499-501.

JANZEN and M. L. Higgins. 1979. How hard are Enterolobium cyclocarpum (Leguminosae) seeds? Seed hardness. Peccaries as seed dispersers and predators, Costa Rica. Brenesia 16: 61-67.

LARSEN, LARSEN and VIDAL. 1980. Volume 18, Caesalpinioideae. Flore du Cambodge du Laos et du Viêt-Nam. Muséum National d'Histoire Naturelle, Laboratoire de Phanérogamie, 16, rue Buffon, 7005 Paris, France. [227 pages, 22 genera, 112 species, illustrated]

Li, P.-C., Ni, C.-C. 1980. New taxa of the Leguminosae from Xizang (Tibet). Acta Phytotax. Sin. 18(3): 367-373.

Loureiro, A. A., P. L. B. Lisboa. 1979. Anatomia do lenbo de seis espécies de Ormosia (Leguminosae) da Amazonia. Acta Amazonica 9: 731-746.

Lukoki, L., MARECHAL, and E. Otoul. 1980. Les ancetres sauvages de haricots cultivés: Vigna radiata (L.) Wilczek et V. mungo (L.) Hepper. Bull. Jard. Bot. Nat. Belg. Bull. Nat. Plant. Belg. 50: 385-391.

MACONOCHIE. 1980. Three new species of Fabaceae for the flora of Central Australia. Jour. Adelaide Bot. Gard. 24: 323-328.

Nicolson, D. H. 1980. Moullava [Rheede] Adanson recently Wagatea Dalzell (Fabaceae/Caesalpinioideae). In K. S. Manilal, editor, Botany and History of Hortus Malalaricus, pp. 181-185.

NABHAN, C. Weber, and J. Berry. 1980. Wild beans of the greater southwest: Phaseolus metcalfei and P. ritensis. Econ. Bot. 34: 68-85.

OHASHI and M. Iijima. 1980. The chromosome of the Section Podocarpium (Leguminosae-Desmodium). Jour. Jap. Bot. 55: 238-243.

PALACIOS and BRAVO. 1981. Hibridación natural en Prosopis (Leguminosae) en la región chaguena argentine: Evidencios morfológicos y cromotográficas. Darwiniana 23: 3-35.

PICKERSGILL. 1980. Cytology of two species of winged bean, Psophocarpus tetragonolobus (L.) DC. and P. scandens (Endl.) Verdc. (Leguminosae). Bot. Jour. Linn. Soc. 80: 279-291.

PONERT. 1979. Microevolutionary mechanisms in Angiosperms. Publishing House of Academy of Sciences of Georgian S. S. R., Tbilisi. [In Russian, 340 pp.]

Raynaud, C. 1980. Le genre *Genista* L. au Maroc. Monographie, iconographie, clés de détermination. Nat. Monspel., Bot. no. 28. 52 pp.

ROBBERTSE, G. Venter, and H. Janse van Rensburg. 1980. The wood anatomy of the South African acacias. IAWA Bull., 1(3): 93-103.

Robeson, D. J., Harborne, J. B. 1980. A chemical dichotomy in phytoalexin induction within the tribe Vicieae of the Leguminosae. Phytochemistry 19: 2359-2365.

ROSS. 1980. *Templetonia incana* new species from western Australia. Muelleria 4: 247-250.

ROSS. 1980. A survey of some of the pre-Linnean history of the genus *Acacia*. Bothalia 13: 95-110. [Botanical descriptions, classification, illustrations, herbals.]

Selmeier, A. 1979. A silicified robinia wood from early tertiary strata of southern Bavaria Brueckberg West Germany. Mitt Bayer Staat. Palaeo. Hist. Geol. (19): 171-176.

Semiarenka, L. V., R. Blazhevich. 1979. Analysis of caryotypes of some species of legumes (Fabaceae Lindl.) from the flora of Byelor Russia. Vest. Akad. Navuk RSSR Seryia Biial. Navuk. 1:25-31.

SHARMA. 1980. Environmental pollution and leaf cuticular variations in kudzu (*Pueraria lobata* Willd. Ann. Bot. 45: 77-80.

SMARTT. 1980. Evolution and evolutionary problems in food legumes. Econ. Bot. 34: 219-235.

SMARTT. 1980. Some observations on the origin and evolution of the winged bean, *Psophocarpus tetragonolobus*. Euphytica 29: 121-124.

Souza, A. F. R. de and M. do C. M. Marques. 1979. Survey of the type specimens of plants in the Herbarium of the Rio de Janeiro Botanical Garden, Brazil: *Acacia* Linn. (Leguminosae, Mimosoideae). Rodriguésia 31: 227-253.

Tewari, R. B. and P. K. K. Nair. Wing Morphology of the flower in some Galegeae (Papilionaceae) Psoralea Corylifolia. Sesbania spp., Tephrosia Purpurea, includes taxonomic aspects. Brenesia 16: 131-138.

Tran, V. N. and CAVANAGH. 1980. Taxonomic implications of fracture load and deformation histograms and the effects of treatments on the impermeable seed coat of *Acacia* species. Austral. Jour. Bot., 28: 39-51.

Tsvelev, N. N. 1980. Systema specierum generis *Vicia* L. in parte Europaea URSS. Novosti Sist. Vyssh. Rast. 17: 200-208.

TURNER. 1980. Revision of the genus *Piptanthus* (Fabaceae). Brittonia 32: 281-285.

Ulibarri, E. A. 1980. Notas sobre *Adesmia*: 1. (Leguminosae-Papilionoideae). Darwiniana 22: 493-498.

VAN DER MAESEN. 1980. India is the native home of the pigeonpea. Misc. Pap. Landbouwhogesch. (Wageningen) 19: 257-262.

Vasilschenko, I. T. 1980. Generis *Oxytropis* DC. species novae florae Iranicae et territoriorum confinium. Novosti Sist. Vy̌ssh. Rast. 17: 173-200.

VERDCOURT. 1980. The correct name for the Bambara Groundnut. Kew Bull. 35: 474.

Vaz, A. M. S. da F. 1979. Considerations on the taxonomy of the genus *Bauhinia* L., section *Tylotaea* vogel (Leguminosae-Caesalpinioideae) of Brazil. Rodriguésia 31: 127-234.

YAKOVLEV. 1979. Remarks on the taxonomy of the genus *Alhagi* (Fabaceae). Bot. Zh. (Leningrad) 64: 1794-1799.

Yang, C.-Y. 1980. Revision of *Crotalaria* in China. Bull. Bot. Lab. North-East. Forest. Inst. no. 7: 105-120.

DATA COLLECTION FORM FOR THE BEAN BAG

Last Name, First Name Title

Change of address:

Legume publications (yours or others) since last issue of BB. (Please follow style in a recent BB).

Legume projects completed since last issue of BB:

Legume projects started since last issue of BB:

Suggested legume projects suitable for graduate students:

Legume research material

(1) Needed:

(2) Available:

Planned field trips:

Personal notes (include any item of general interest to your colleagues and comments to the editors):

Legume taxa willing to annotate: